

Work Order ID 131252

April-01-15 9:21:31 AM

SHIP TODAY

131252

Page 1

Item ID: DSI 9697-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Quick Release Upgrade

Start Date: 4/01/15 Start Qty: 3.00

3

Cust Item ID:

Required Date: 4/01/15 Req'd Qty: 3.00

3

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

DSI 9697

A

ML5

0.00

DAS
86
9-89

APR 01 2015

ML5

15-04-01

3

100

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP DSI9697-011
CHG001

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

3

DAS
27
9-89

DAS
46
9-89

APR 01 2015

APR 01 2015

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
86
9-89

APR 01 2015

Work Order ID 131252

131252

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Item ID: DSI 9697-011 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Quick Release Upgrade
 Start Date: 4/01/15 Start Qty: 3.00 ***3*** Cust Item ID:
 Required Date: 4/01/15 Req'd Qty: 3.00 ***3*** Customer:
 Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP DSI9697-011								
	Location: _____								
	PPP rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

mm

APR 01 2015

83
8-89

MW 1504-01

15-4-1

Picklist Print

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Page 1

Work Order ID: 131252

131252

Parent Item: DSI 9697-011

DSI 9697-011

Parent Item Name: Quick Release Upgrade

Start Date: 4/01/15

Required Date: 4/01/15

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP REV:A 14.07.24 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
3+ D2690-6 Lanyard 88-6 90 SVD		Manufactured	No				Each	10.0000	2 **	6			DAS 27 9-89 46
APR 01 2015													
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST009			10						
				130043			10			6			
3+ D4895-045 Fwd Outboard Beam Assembly 88-6 90 SVD		Manufactured	No				Each	3.0000	1 **	3			DAS 27 9-89 46
APR 01 2015													
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST448			3						
				122821			3			3			
3+ D4895-047 Aft Outboard Beam Assembly 88-6 90 SVD		Manufactured	No				Each	3.0000	1 **	3			DAS 27 9-89 46
APR 01 2015													
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST448			3						
				122823			3			3			
3+ D5106-041 Bracket Assembly DAS 06 9-89		Manufactured	No				Each	20.0000	1 **	12			DAS 27 9-89 46
APR 01 2015													
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST148			8			3/2			
				123560			8						
				ST155a			12						
				123162			12			4			

Picklist Print

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Work Order ID: 131252

Parent Item: DSI 9697-011

Parent Item Name: Quick Release Upgrade

131252

DSI 9697-011

Start Date: 4/01/15

Required Date: 4/01/15

Start Qty: 3.00

Required Qty: 3.00

AN3C3A

Purchased

No

Each

413.0000

6

AN3C3A

Bolt

DAS
86
9-89

Location

Loc Qty

Loc Code

GA

17

124417

17

ST350

396

131677

396

Each

259.0000

12

AN4-12A

Purchased

No

AN4-12A

Bolt

Location

Loc Qty

Loc Code

FG

10

120423

10

ST325A

200

M131803

200

ST344

49

M131624

49

Each

10.0000

6

MS17984-G405

Purchased

No

MS17984-G405

Pin, Quick Release

DAS
86
9-89

Location

Loc Qty

Loc Code

ST315

10

M129930

2

M131584

8

DAS
27
9-89

DAS
46
9-89

APR 01 2015

DAS
27
9-89

DAS
46
9-89

APR 01 2015

DAS
27
9-89

DAS
46
9-89

APR 01 2015

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Page 2

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Page 3

Work Order ID: 131252

Parent Item: DSI 9697-011

Parent Item Name: Quick Release Upgrade

131252

DSI 9697-011

Start Date: 4/01/15

Required Date: 4/01/15

Start Qty: 3.00

Required Qty: 3.00

MS21043-3

Purchased

No

Each

1,114.000

6

MS21043-3

Nut

DAS
27

DAS
46

APR 01 2015 9:29

DAS
27
9-29

Location

Loc Qty

Loc Code

FG 80

103691 80

FP001 114

m130673 114

GA 397

m130673 15

m131677 382

ST304 523

m131340 523

Each

2,558.000

12

MS21042L4

Purchased

No

MS21042L4

Locknut

DAS
27
APR 01 2015

DAS
46

9-29

DAS
27
9-29

Location

Loc Qty

Loc Code

FP001 42

m124231 42

GA 634

m127813 634

ST260a 1056

m130799 56

m131803 1000

ST305 826

426 426

m128300 8

m128798 10

m130922 97

m131340 273

m131618 12

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Page 4

Work Order ID: 131252

Parent Item: DSI 9697-011

Parent Item Name: Quick Release Upgrade

131252

DSI 9697-011

Start Date: 4/01/15

Required Date: 4/01/15

Start Qty: 3.00

Required Qty: 3.00

MS21919WCF8

Purchased

No

Each

18.0000

6

DAS
27
9-89

DAS
46
9-89

APR 01 2015

Clamp

DAS
86
9-89

Location

Loc Qty

Loc Code

ST297

18

M129947

18

Each

6,176.000

12

DAS
27
9-89

DAS
46
9-89

APR 01 2015

NAS1149C0332R

Purchased

No

WASHER

Location

Loc Qty

Loc Code

FP001

2174

123248

34

m130325

2140

GA

978

m131618

978

ST260a

3000

m131697

3000

ST271

24

m131340

24

Each

4,958.000

24

DAS
27
9-89

DAS
46
9-89

APR 01 2015

NAS1149D0416J

Purchased

No

WASHER

Location

Loc Qty

Loc Code

GA

2

m131197

2

ST270

4956

m125773

3

m129022

8

m131511

4945

DAS
86
9-89

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BAG
C3
REFERENCE ONLY
DART SERVICE INSTRUCTION
TO AMEND INSTALLATION INSTRUCTIONS IIN-D117-837 Rev. A AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D117-837 Rev. 0
REF. TCCA STC: SH13-22

1.0 Purpose

The purpose of this Dart Service Instruction (DSI) is to provide instructions for upgrading the D117-837-011 Heli-Utility-Basket from CHG 002 to CHG 003 and to upgrade the D117-837-111 Provision mounting kit from CHG 001 to CHG 002. This change adds a quick release function to the D4784-011 Basket Assembly and its installation.

2.0 Installation of Quick Release System

- 2.1 Remove temporarily the D4794-041 Strut Assy from D4911-1/-3 Brackets and discard existing AN4-7 bolt, NAS1149F0463P washers and AN310C4 nut from both ends of strut assy.
- 2.2 Remove temporarily the D4784-011 Basket Assy and discard existing AN4-13A bolts and washers.
- 2.3 Assemble D5106-041 Bracket Assy onto D4784-011 Basket Assy using AN4-12A bolt, 2x NAS1149F0432P washers and MS21042L4 nut in four places as shown in Figure 1.
- 2.4 Remove D4895-041 Fwd Outboard Beam Assy and replace with D4895-045 Fwd Outboard Beam Assy. Assemble D4895-045 onto D4894-1 Fwd Beam using existing hardware as shown in Figure 2.
- 2.5 Remove D4895-043 Aft Outboard Beam Assy and replace with D4895-047 Aft Outboard Beam Assy. Assemble D4895-047 onto D4894-3 Aft Beam using existing hardware as shown in Figure 2.
- 2.6 Install D4784-011 Basket Assy onto the new D4895-045/-047 Fwd/Aft Outboard Beam Assy using MS17984-C418 quick release pin from D5106-041 Brackets Assy as shown in Figure 2.
- 2.7 Install MS21919WCF8 clamps 0.4"-0.5" (10-13 mm) from ends of D4794-041 Strut Assy. Install D2690-6 Lanyard Assy into MS21919WCF8 clamp using AN3C3A bolt, 2x NAS1149C0332R washers and MS21043-3 nut on both ends of D4794-041 Strut Assy. Attach other end of D2690-6 Lanyard Assy to MS17984-C405 quick release pin prior to securing D4794-041 Strut to D4911-1/-3 Brackets as shown in Figures 3 and 4.

3.0 Parts List

Customers who already have D117-837-011 at CHG 002 can procure the DSI 9697-011 kit from Dart to upgrade their D117-837-011 Basket Kit from CHG 002 to CHG 003. IIN-D117-837 Rev. B and ICA-D117-

837

Rev. 1 reflect the updated parts list for D117-837-011 at CHG 003 and D117-837-111 at CHG 002.

Qty -011	Part Number	Description
X	DSI 9697-011	QUICK RELEASE UPGRADE KIT
2	D2690-6	LANYARD ASSEMBLY
1	D4895-045	FWD OUTBOARD BEAM
1	D4895-047	AFT OUTBOARD BEAM
4	D5106-041	BRACKET ASSEMBLY
2	AN3C3A	BOLT
4	AN4-12A	BOLT
2	MS17984-C405	QUICK RELEASE PIN
2	MS21043-3	NUT
4	MS21042L4	NUT
2	MS21919WCF8	CLAMP
4	NAS1149C0332R	WASHER
8	NAS1149D0416J	WASHER

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO #01-O-01

APPROVED

BY: D. SHEPHERD (DE # 02)

DATE: 14.06.23
CERT. NO.: SH13-22
ISSUE NO.: 1

A	NEW ISSUE	RF	14.06.23
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	N/A	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9697	SHEET 1 OF 4
APPROVED	N/A	TITLE	SCALE
DE APPR.	N/A	BASKET UPGRADE TO QUICK RELEASE	NTS
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